

## Teachers' Retirement System of the State of Kentucky

# Public Pension Oversight Board

June 24, 2021

Covers Five Years ended June 30, 2020





TEACHERS' RETIREMENT SYSTEM OF THE STATE OF KENTUCKY STATEMENT OF RESULTS OF THE EXPERIENCE INVESTIGATION PREPARED AS OF JUNE 30, 2020



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#### **Summary of Changes**





TEACHERS' RETIREMENT SYSTEM
OF THE STATE OF KENTUCKY
STATEMENT OF RESULTS OF THE
EXPERIENCE INVESTIGATION
PREPARED AS OF JUNE 30, 2020



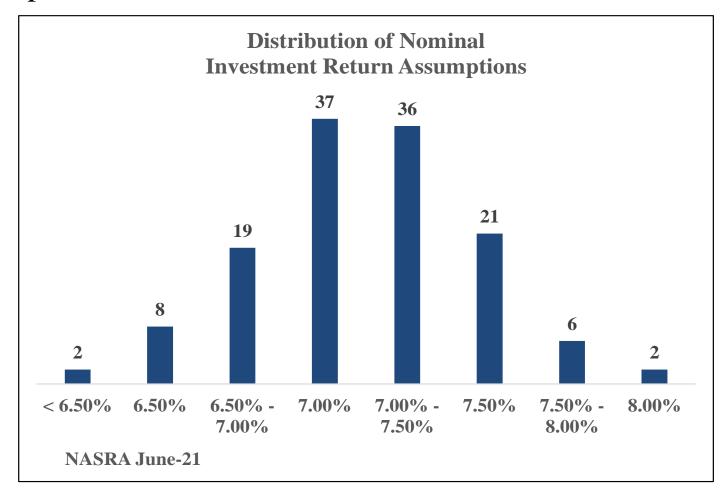
- Lower the investment return assumption for all plans to 7.1% (from 7.5%)
- Lower the payroll growth assumption to 2.75%
- Update to new teacher-specific mortality tables



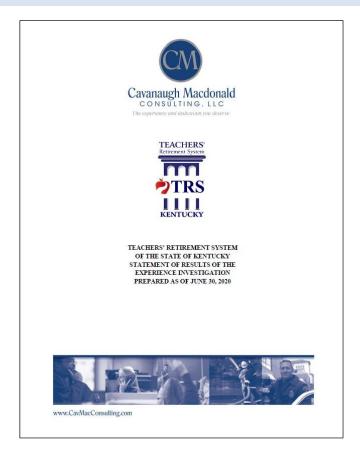
### **Economic Assumptions Investment Return**



#### ➤ Peer Comparison:



#### **Summary of Changes for Retirement Annuity Trust**



Total Liabilities as of June 30, 2020 (in billions)			\$35.58
	Increase	Decrease	
Member withdrawals	0.07		
Service retirements	0.05		
Mortality tables	1.49		
Salary changes		0.40	
Sick leave	0.12		
Lowering discount factor to 7.1%	1.65		
Net Change			\$2.95



#### **Summary of Changes for Health Insurance Trust**



Total Liabilities as of June 30, 2020 (in billions)			\$2.76
	Increase	Decrease	
Member withdrawals	0.01		
Retirements	0.01		
Mortality tables	0.14		
Salary changes	0.03		
Member participation		0.03	
Health care trends		0.13	
Lowering discount factor to 7.1%	0.32		
Net Change			\$0.35

### **Budget Impact**

#### **Based on Annual Valuations**

Budget request of additional funding for 2023 already has been determined at \$629.4 million.

The 2024 request will be determined based on the 2021 annual valuation.



#### Timing Comes In Year That Could Help Offset Assumption Changes

Nominal Total Rate of Return			
Year Ending June 30	Actuarial Value	Market Value	
2020	7.0%	5.5%	
2019	7.1%	5.6%	
2018	9.1%	10.5%	
2017	9.3%	15.0%	
2016	7.6%	-1.0%	
Average	8.0%	7.1%	



#### Timing Comes In Year That Could Help Offset Assumption Changes

#### **Retirement Annuity Trust**

	<b>FYTD 2021 (Q3)</b>
Investment gains	4,460,600,000
Net plan assets	
Beginning of fiscal year	\$ 20,717,000,000
At end of period	\$ 24,742,500,000

#### **Health Insurance Trust**

	<b>FYTD 2021 (Q3)</b>
Investment gains	367,400,000
	· ·
Net plan assets	
Beginning of fiscal year	\$ 1,616,700,000
At end of period	\$ 2,126,000,000





## Our Members Come First!

800-618-1687

8 a.m. – 5 p.m. ET Monday – Friday

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Protecting & Preserving Teachers' Retirement Benefits